# AS-1774 / 1774U

# User Guide

**WARNING !**

***It is the responsibility of the vehicle operator to ensure that their vehicle is parked in a safe and responsible manner.***

1. **a) Manual transmission:** When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in the **NEUTRAL** position and the parking brake is engaged in order to avoid accidents upon remote starting.
   **b) Automatic transmission**: When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in "Park" in order to avoid accidents upon remote starting.
   (**Note:** Make sure that the automatic vehicle cannot start in "Drive".)
2. It is the user's responsibility to ensure that the remote starter is disabled or put into valet mode before servicing.

Designed & engineered in Canada

Directed® ELECTRONICS CANADA, INC.

**INDUSTRY CANADA USER NOTICE:**
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.
**NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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# *Government regulations*

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interferences to services authorized by IC. In addition, the user of this device must accept any radio interface that may be received, even if this interference could affect the operation of the device.

Warning! Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

# *Introduction*

This is a state-of-the-art remote car starter system. The system is packed with advanced features such as priority access to the driver's door (commodity features), the Safe Start children safety feature and SmartStart™.
SmartStart™ is a groundbreaking technology that enables your remote starter features to be accessed by your smartphone. Features include keyless entry, trunk release, panic, remote start/stop toggle and alarm notifications[1]. **Note:** SmartStart™ must be professionally installed. For more information, see your nearest authorised Directed Canada dealer.
With many advanced functions, this product will satisfy any one of your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

[1] Certain conditions apply. See your authorised Directed Canada dealer.

# *Using the Remote Control*

Your Remote Car Starter is equipped with a 5-button multi-channel remote control. It can operate two independent vehicles equipped with a Remote Car Starter (see **Multi-Car Operation page-12**, for second-car transmitter functions).

**The functions of the transmitter are as follows:**

(Picture serves as example only)

| | | |
|---|---|---|
| **LOCK:** Locks the doors and arms the STARTER KILL. | | **UNLOCK**: Unlocks the doors and disarms the STARTER KILL. Activates the AUX 1 output if priority door access is configured. |
| **TRUNK:** Opens the TRUNK or activates the AUX 3 output | | **START**: Remote starts the engine or gets the system into Cold Weather mode if pressed for 3 seconds. **Note:** Icon may vary. |
| | **STOP:** Stops the engine if pressed for less than 3 seconds or triggers Panic mode if pressed for more than 3 seconds. | |

**Note:** Pressing the **LOCK** and **UNLOCK** buttons simultaneously will activate the **AUX 2 output.**

# *Vehicle Presets*

## Heater

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

## Windshield Wipers, Radio & Headlights

Certain vehicles require the radio and / or windshield wipers and / or headlights circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wipers and headlights switches are **OFF**. Leaving the headlights switch **ON** on certain types of vehicles could cause them to remain **ON** even after remote starter shutdown, resulting in a dead battery.

# *Arming and disarming the Starter Kill*

This added security feature will prevent the vehicle from starting with the Ignition key when the starter kill is armed. If the system was installed with the starter kill option, you will not be able to start the vehicle with the key unless the system has been unlocked first or put into **Valet Mode (page-8).**

**Note:** If the Starter Kill is installed, the vehicle will benefit from a protection against starter motor damage that could occur after remote-starting the engine should the user, by force of habit, turn the ignition key to the **CRANK** position.

The Starter Kill (if installed) can be configured by the installer either to **Passive Mode** (so as to arm automatically) or **Active Mode** (so as to require the user's intervention for arming). By default, your Remote Car Starter is configured to **Passive Mode**.

**Passive mode:**

To **arm** the Starter Kill, press the button on the transmitter, **OR**

1. In **Passive Mode**, the Starter Kill will automatically arm 1 minute (by default) or 3 minutes (if configured this way) after the ignition is turned **OFF** or once the last door is closed (if the doors are monitored).
2. The LED on the antenna will flash quickly during the countdown preceding the activation of the Starter Kill.
3. Once the activation countdown expires, the LED will send a series of quick double flashes to indicate that the Starter Kill is now armed.

To **disarm** the Starter Kill, press the button on the transmitter.

- The Starter Kill will automatically rearm itself after 1 minute (by default) or 3 minutes (if configured this way) if no door is left opened (if the doors are monitored) and the ignition is not turned **ON**.

**Active Mode:**

To **arm** the Starter Kill, press the button on the transmitter.

1. The parking lights will flash once.
2. The LED on the antenna will flash slowly.
3. If remote door locks are installed, this will also lock the doors and arm the OEM-style alarm.

To **disarm** the Starter Kill, press the button on the transmitter.

1. The parking lights will flash twice.
2. The LED on the antenna will remain **OFF**.
3. If remote door locks are installed, this will also unlock the doors.

# *Remote-Starting Your Vehicle*

## Setting Your Vehicle into Ready Mode

If your vehicle has a **manual transmission** you must read the following indications. The unit must first be set to Ready Mode in order to start the vehicle by remote. If the unit is not set to Ready Mode, it cannot remote start the vehicle.

Please note that Ready Mode can be enabled by the remote or the handbrake, depending on the option that was selected by your installer. Therefore, you must follow the appropriate procedure between the two described below in order to set your vehicle into Ready Mode.

Once the system is set to Ready Mode, the vehicle can be remote started and stopped at any time. The system will exit Ready Mode if a door, the hood or the trunk is opened, if the brake pedal is pressed, if the parking brake is disengaged or if the ignition key is turned to the **IGNITION ON (RUN)** position.

**To set the system to Ready Mode:**

| If Ready Mode is enabled by remote | If Ready Mode is enabled by handbrake |
|---|---|
| 1. Ensure that all the doors, hood and trunk are closed. Make sure that the gear selector is in the neutral position. | |
| 2. With the engine already running, apply the parking brake once and release the brake pedal.<br>3. Within 20 sec. of engaging the parking brake, press and hold , **or** on the transmitter (SmartStart™ uses only ).<br>The parking lights will flash 3 times quickly and remain lit. | 2. With the engine already running, apply the parking brake twice within 10sec.<br>3. Make sure to release the brake pedal.<br>The parking lights will flash 3 times quickly and remain lit. |
| 4. Remove the key: the engine will keep on running.<br>5. Exit the vehicle. All doors should be closed, including the hood and trunk. | |

| NOW THERE ARE THREE POSSIBLE OPTIONS | | |
|---|---|---|
| **OPTION 1: No lock** | **OPTION 2: Manual shut down (default)** | **OPTION 3: Automatic shut down** |
| The engine stops. | The engine keeps going until you press either;<br>• to lock the doors and shut down the engine;<br>• to unlock the doors and shut down the engine;<br>• to shut down the engine without affecting the doors. | The engine runs for 8 sec. then locks the doors before finally shutting down the engine, without user interaction. |
| **WARNING:** The vehicle is not armed or locked down. | **WARNING:** Engine runs until the pre-programmed run time expires. | **WARNING:** Do not leave your keys in the vehicle! |
| 6. The Parking lights will flash. | | |

## Remote-starting

Press the button for approximately 1 second. The parking lights will turn **ON** to inform you that the Remote Car Starter has received your signal. Approximately 5 seconds later, the engine will start. The parking lights will remain **ON** during the pre-programmed run time of the engine.

If your vehicle has an automatic transmission and it does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again. There will be 3 start attempts before the system gives up.

## Driving Off

With the vehicle running under remote control, press the button to disarm the Starter Kill and/or the OEM-style alarm (if installed) and unlock the doors. Enter the vehicle and do the following:

- Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key** to the **CRANK** position while the engine is running. This would cause the starter motor to re-engage.)
- Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

**Note:** On some Push-To-Start (PTS) vehicles, no takeover is possible as pressing the brakes will shut the engine down. Please talk to your technician to determine if the "Takeover mode" can be set for your vehicle.

# *Remote Starter Features*

## Remote Door Locks

If your system was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry.

**To lock your doors and arm the starter kill (if installed):**

1. Press and hold the button for approx. 1 sec.
2. The parking lights will flash once to confirm that the doors have been locked

**To unlock your doors and disarm the starter kill (if installed):**

1. Press and hold the button for approx. 1 sec.
2. The parking lights will flash twice to confirm that the doors have been unlocked.

## Remote Trunk Release

If your system was installed with the Remote Trunk Release option, you can open your trunk by pressing the button for 3 seconds on the remote transmitter.

## Idle Mode

**Convenience feature:** Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running.

**Activating Idle mode (Automatic transmission):**

1. With the engine running, make sure to release the brake pedal and press the , or button on the transmitter until the parking lights come **ON**.

   **Note:** SmartStart™ can be setup to use the icon to activate Idle mode, Turbo mode or Ready mode.
2. Remove the ignition key from the ignition switch.
   The engine will continue running.
3. Exit the vehicle. All doors, the hood and trunk should be closed
4. Press the button to lock the doors, to arm the starter kill and to arm the alarm. The engine will be kept running at idle speed.

   a. When re-entering the vehicle, the user must reinsert the key into the ignition and turn it to the **ON** position (not Crank) without pressing on the brake.
   b. *Once the key is in the ON position*, press on the brake pedal to put the transmission in gear.
   c. Drive off.

If your vehicle has a manual transmission, Idle Mode can be activated through the same routine as that used for **Ready Mode (page-5)**; at the last step, the button is pressed instead of the other buttons. This will lock the doors, arm the system and leave the engine running.

***NEW FEATURE* – Push-To-Start Idle Mode**

This feature is a variation of "Idle mode", but made specifically for Push-To-Start vehicles, with automatic or manual transmissions. (Consult your installer for availability of this feature.) Follow the same steps as the normal Idle Mode procedure, except for when re-entering the vehicle while the engine is running;

1. Close all doors.
2. You have 1.5 minutes (or 3 minutes) to press on the brake pedal, to get in gear and drive off.

**Note 1:** Pressing on the brake pedal after the allocated period will shut the engine down.
**Note 2:** The engine will continue running until the user re-enters the vehicle or until the expiration of the engine run time.
**Note 3:** If the pre-programmed run-time expires or if the user shuts down the engine remotely, the vehicle will enter Ready Mode.

**Caution!!** Do not leave children or pets unattended in a vehicle standing in Idle Mode.

## Valet Mode

When the vehicle is in Valet Mode, the remote starter and alarm functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote-started accidentally.

**Any of the following features will put your remote car starter into Valet Mode:**

**Ignition Valet:** This feature allows you to put your system into Valet Mode by using the ignition key.

**Remote valet**: This feature allows you to put your system into Valet Mode by using the transmitter.

### *To put the system into Valet Mode*

**To put the system into Valet mode using the KEY (Ignition Valet Mode):**

1. Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the IGNITION/RUN and OFF positions.
2. The parking lights will flash three times.
3. Turn the ignition OFF.
4. The LED on the antenna will come ON solid to indicate that the vehicle has successfully entered Valet mode.

**To put the system into Valet mode using the TRANSMITTER (Remote Valet Mode):**

1. Press the and buttons simultaneously until the parking lights flash three times.
2. The LED on the antenna will come ON solid to indicate that the vehicle has successfully entered Valet mode.

### *To take the system out of Valet Mode*

**To take the system out of Valet mode using the KEY (Ignition Valet Mode):**

1. Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the IGNITION/RUN and OFF positions.
2. The parking lights will flash twice.
3. Turn the ignition OFF.
4. The LED on the antenna will flash quickly to indicate that the vehicle is now out of Valet mode.

**To take the system out of Valet mode using the TRANSMITTER (Remote Valet Mode):**

1. Press the and buttons simultaneously until the parking lights flash twice.
2. The LED on the antenna will be OFF.

The system will warn you if someone attempts to remote start the vehicle while in Valet Mode. The parking lights will turn **ON** then **OFF**, then Flash **twice**.

## Panic Mode

**Note:** Panic mode can only be activated if the horn has been adequately configured by the installer.

In an emergency situation, you can activate panic mode by pressing and holding the **STOP** button for more than 3 seconds, until the horn starts honking. If the vehicle is under a remote start, the engine will shutdown automatically before setting off the horn. You can stop the horn by pressing:

(this will lock your doors and deactivate panic mode), or

(this will unlock your doors and deactivate panic mode).

Furthermore, the panic mode can be stopped by activating **Valet Mode (page-8)**

*** Panic Mode will automatically shut down after 30 sec.**

## Quick Lockout™

(Also called **Secure Panic**.) For fast protection in emergency situations, the system will **LOCK** all doors when you press the brake pedal while you hear the sound signal. (**Quick Lockout** is only available when **panic mode** has been set off.)

## Cold Weather Mode

If the vehicle has a manual transmission, Ready mode **(page-5)** should be set before entering Cold Weather mode. When Cold Weather Mode is active, the engine starts every 2 hours and runs for 3 minutes (or for 8 or 20 minutes with diesel engines). Cold Weather Mode automatically ends after 24 hours (or 12 starts).

**To enter Cold Weather Mode:**

- Press and hold the button for at least 3 seconds
- The parking lights will flash for 2 seconds, pause, then **flash 3 times.**

**To exit Cold Weather Mode, do any one of the following actions:**

- Open the hood.
- Start the engine by remote.
- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press and hold the button until the parking lights come **ON** for 2 seconds, pause, and then flash once.

**If Safe Start is enabled, you can activate Cold Weather Mode by:**

- Pressing and releasing the  button, then, pressing and holding the  button until the parking lights flash 3 times.

**To verify whether the system is in Cold Weather Mode (automatic transmissions only):**

- Press the brake pedal:
- If the vehicle is in cold weather mode, the parking lights will remain **ON** while the brake pedal is pressed.

## Extended Run Time

With the vehicle running under a remote start, pressing and holding the button for more than 3 seconds will reset the run time counter to zero and restart the run time cycle from the beginning.

- The horn (if programmed) will honk once;
- The parking lights will flash slowly 3 times then remain lit.

To stop the vehicle at any moment, simply press the **STOP** button. **This procedure can only be carried out once per remote start.**

***Example:*** If your Module is programmed for a runtime of 3 minutes and your vehicle has been running for 2 minutes already, pressing the button will reset the counter to zero and the Engine will run for another cycle (in this case, 3 minutes).

### Disable/Enable LED flashing

**To disable the LED:** Press and simultaneously until the parking lights flash three times.

**To Enable the LED:** Press and simultaneously until the parking lights flash once.

### Constant output

- Pressing and holding the button for more than 3 seconds will lock all doors and will send a constant pulse as long as the button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling up the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**
- Pressing and holding the button for more than 3 seconds will unlock all doors and will send a constant pulse as long as the button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling down the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**

## *Advanced Features: Installation-programmable Options*

The Remote Car Starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

**Caution:** The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your Remote Car Starter. Please note that the following programmable options may require additional parts and labor.

### Ignition-controlled Door Locks

This is an added security feature. If your Remote Car Starter was installed with the Ignition-Controlled Door Locks option, the doors will automatically be locked as soon as the ignition key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. The remote car starter will also lock any door that was unlocked and opened (then closed) the next time the brake pedal is pressed. When the key is turned to the **OFF** position, the doors will automatically be unlocked.

### Secure Lock

(Disabled by default.) Before your vehicle can be remote-started, the factory security system must first be disarmed. The Secure Lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

To keep your vehicle protected when the factory security system is disarmed for a remote start, Secure Lock will relock your doors as soon as the vehicle is started. Once the engine is shut down by remote or after its runtime has expired, Secure Lock will also rearm your factory security system and relock the doors.

## Safe Start

- ***Safe start enabled:*** If this feature is enabled, the user must press the button twice within 3 seconds to remote-start the vehicle. This will eliminate accidental remote starts, e.g. when children are playing with the transmitter.
- ***Swap start:*** If this feature is enabled, press and simultaneously to remote start the vehicle. The **AUX 2** output can be activated by pressing the button.

## Engine Run Time

On a gas engine, the Remote Car Starter can be programmed to run the engine for 3, 15, or 25 minutes (15 minutes by default). On a diesel engine, the Remote Car Starter can be programmed to run the engine for 8, 20, or 30 minutes (20 minutes by default).

## Turbo Mode

If Turbo Mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine.

If your vehicle has an **automatic transmission**, proceed as follows to set the system to Turbo Mode:

1. With the engine running, make sure to release the brake pedal and press the , or button on the transmitter until the parking lights come **ON**.
2. Remove the ignition key from the ignition switch.
   **The engine will continue running.**
3. Exit the vehicle and close all doors, hood and trunk.
4. Press the button; this will lock the doors, arm the OEM-style alarm (if configured|) and confirm that the vehicle is in Turbo Mode.
5. The engine will shut down after 60 seconds.

If your vehicle has a **manual transmission,** follow all steps of the **Ready Mode** routine **(page-5)** to activate Turbo Mode. At the last step, press either:

- to lock the doors and have the engine shut down after 60 seconds;
  The parking lights will flash 3 times and remain lit.
  **The OEM-style alarm and starter kill (if configured) will be armed.**
- to unlock the doors and have the engine shut down after 60 seconds;
  The parking lights will flash 3 times and remain lit.
- to shut down the engine without affecting the doors.

**Note:** The vehicle will enter Ready Mode once the engine run time expires.

## "Home Valet™" Mode

If configured at installation, this feature will remotely set the vehicle to a no-remote-start mode: if the vehicle is parked indoors there is no danger of it starting accidentally by remote control. If the vehicle has a manual transmission, it should be set into ready mode before activating the Home Valet™.

**Note:** Once the Home Valet Mode is activated, the vehicle will not start by remote, but the OEM alarm functions will remain active.

**To take the system into home valet mode:**

1. Press the or button.

2. Within 3 seconds, press the and buttons simultaneously for 3 sec.
3. The P-lights will flash once

**To take the system out of home valet mode:**

- Turn the ignition key to the **IGNITION ON (RUN)** position.

The system will warn you if someone attempts to start your vehicle while it stands in home valet mode. The parking lights will:

Turn **ON** then **OFF**; then
Flash **twice**, pause; then
Flash **twice** again.

## AUX 1

**Note:** This 500 mA negative Aux 1 output can be used for many different applications

**Priority door:**

This great feature allows the user to unlock solely the driver's door with a single press of the button on the transmitter, and to unlock the other doors, if desired, by pressing the button for a second time.

The output will provide a 1-second negative output when the button is pressed a second time on the transmitter.

**Horn Confirmation:**

**AUX 1** can be programmed to trigger the horn every time the button is pressed, or when the button is pressed twice within 3 seconds. When horn confirmation is activated, panic mode is enabled. If horn confirmation is disabled, panic mode will not be available.

## Horn Chirp Timing

The pulse duration can be configured by your installer (from 5 ms to 200 ms).

## Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same Remote Car Starter model, to control both systems with a single remote control. To control the second vehicle, simultaneously press the **TRUNK** button and the button of the function you wish to use.

**Note:** Your remote control must be configured for second car operation by the installer.

Press **TRUNK** + **LOCK** buttons simultaneously: ..**LOCK**
Press **TRUNK** + **UNLOCK** simultaneously: .....**UNLOCK**
Press **TRUNK** + **START** simultaneously:.....**START**
Press **TRUNK** + **STOP** simultaneously:.....**STOP**
Press **TRUNK** + **START** simultaneously for 3 sec: **Cold Weather Mode**

## OEM-Style Alarm

The OEM-style alarm (if configured by your installer) monitors the doors, hood and ignition switch of your vehicle. It will sound the horn if a door or the hood is opened, or if the key is turned in the ignition.

- To **arm** the OEM-style alarm, press the button on the transmitter.

  -The OEM-style alarm will ONLY arm if the button on the transmitter is pressed.
  -The LED on the antenna will flash slowly to indicate that the OEM-style alarm is now armed.

- To **disarm** the OEM-style alarm, press the button on the transmitter.

-To stop the horn from sounding if the OEM-style alarm is triggered, press the or button, or put the system in and out of **Valet Mode (page-8)**

## Car Finder

If configured by your installer, the Car Finder option will help you locate the vehicle by sending a pulsating signal through the horn. To hear the signal, press and hold the or button. This will produce a pulsating signal for the time you keep the button pressed.

## Intrusion Codes via horn

The system monitors the following:

- Doors
- Hood
- Ignition

**Note:** If an intrusion has occurred the HORN will sound for a maximum of 1minute.

If an intrusion has occurred and pressed, the horn provides an intrusion code corresponding to the type of intrusion that occurred.

| | |
|---|---|
| 1x = power interruption | 4x = Doors intrusion |
| 3x = Hood | 6x = Ignition |

# *Troubleshooting Poor Transmitting Range*

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers…).
- Metal: any type of metal will affect operating range. This includes the vehicle itself.
- The shape of the vehicle can affect range as well (vans in general have less range).
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case, the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on (standing in front of the vehicle) generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height.
- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.

# *Parking Light Flash Table*

| Parking lights flashes | Description |
|---|---|
| **1** | • Doors locked.<br>• Trunk released.<br>• Start signal received from the remote.<br>• Runtime has expired |
| **2 slow** | • Shutdown by remote |
| **2 fast** | • Doors unlocked<br>• Valet mode is deactivated |
| **3 slow** | • Runtime is extended. |
| **3 fast** | • Valet mode activated. |
| **4 fast** | • Shutdown by brake<br>• A remote start was attempted while the brake pedal is engaged. |
| **10 fast** | • Shutdown by hood<br>• A remote start was attempted while the hood is open. |
| **ON → twice** | • Cold weather mode deactivated |
| **ON → 3 times** | • Cold weather mode activated. |
| **Solid ON** | • Engine is running under remote start. |
| **Flash for 30 sec.** | • Panic mode is triggered. |
| **Flash for 60 sec.** | • Alarm is triggered. |
| **ON → twice → twice** | • A remote start was attempted while the system is in home valet. |